



**MMBD4148A/CA/CC/SE**( SWITCHING DIODES )

**特点/Features :**

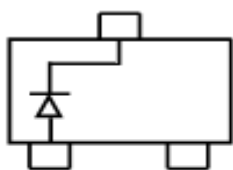
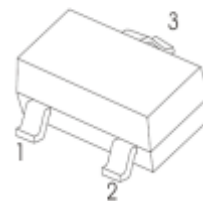
- 速度快 ;
- 反向阻抗高 ;

**用途/Applications :**

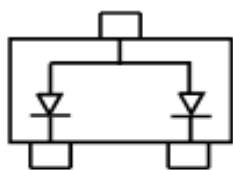
- 高速开关电路。

**电路和印章/Circuit&Marking:**

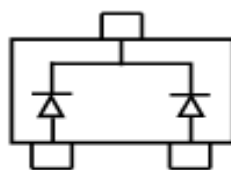
**SOT-23**



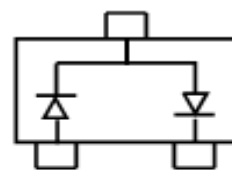
MMBD4148A  
MARKING: 5H



MMBD4148CA  
MARKING: D6



MMBD4148CC  
MARKING: D5



MMBD4148SE  
MARKING: D4

**极限参数/Absolute maximum ratings(Ta=25°C)**

参数/Parameter	符号/ Symbol	数值/Value	单位/Unit
反向直流电压/DC Reverse Voltage	$V_R$	100	V
反向重复峰值电压/Peak Repetitive Reverse Voltage	$V_{RRM}$	100	V
正向连续电流/Forward Continuous Current	$I_{FM}$	300	mA
平均整流输出电流/Average Rectified Output Current	$I_O$	200	mA
正向瞬间峰值电流 @=1μS Peak Forward Surge Current @=1.0S	$I_{FM(surge)}$	2.0 1.0	A
功率/ Power Dissipation	$P_D$	0.35	W
热阻/Thermal Resistance Junction to Ambient Air	$R_{\theta JA}$	357	°C/W
结温/Junction Temperature	$T_j$	150	°C
储存温度/Storage Temperature	$T_{stg}$	-55~150	°C

**电性能参数/Electrical characteristics (Ta=25°C)**

参数/Parameter	符号	测试条件	最小值	最大值	单位
反向击穿电压 Reverse Breakdown Voltage	$V_{BR(R1)}$	$I_R=100 \mu A$	100		V
	$V_{BR(R2)}$	$I_R=5 \mu A$	75		V
正向电压/Forward Voltage	$V_{F1}$	$I_F=10mA$		1	V
反向漏电流/Reverse Current	$I_{R1}$	$V_R=75V$		5	μA
	$I_{R2}$	$V_R=25V$		25	nA
端电容 Capacitance Between Terminals	$C_T$	$V_R=0, f=1MHz$		4	pF
反向恢复时间 Reverse Recovery Time	$t_{rr}$	$I_F=I_R=10mA, V_R=6V,$ $I_{rr}=0.1 \times I_R, R_L=100 \Omega$		4	nS



### 典型特性曲线图/Typical Characteristics

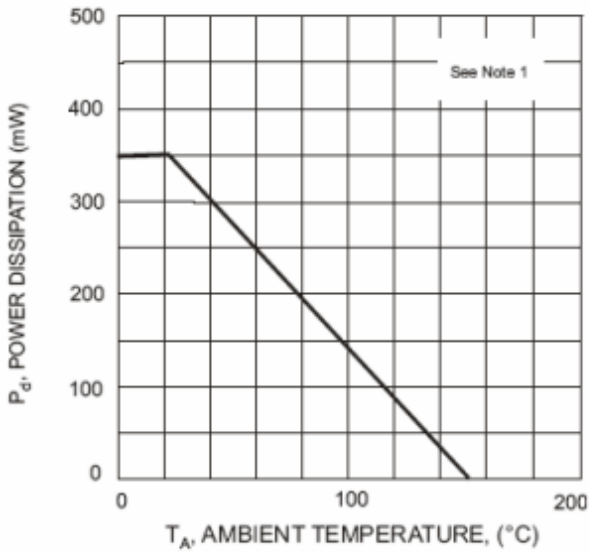


Fig. 1 Power Derating Curve

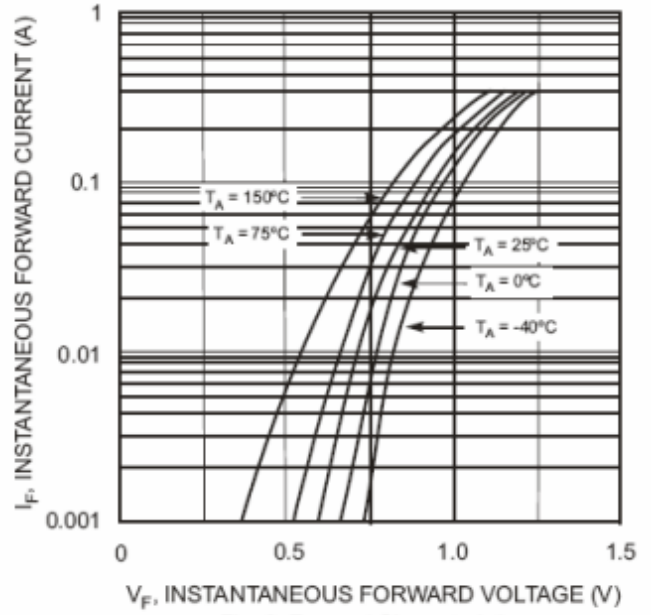


Fig. 2 Forward Characteristics

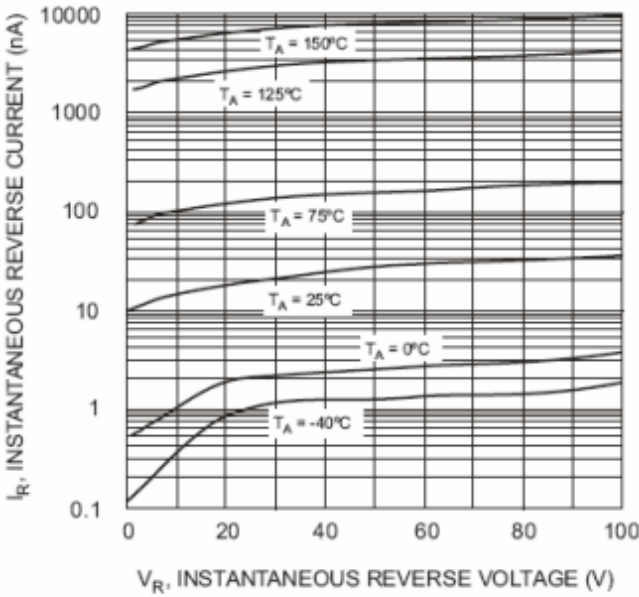


Fig. 3 Typical Reverse Characteristics

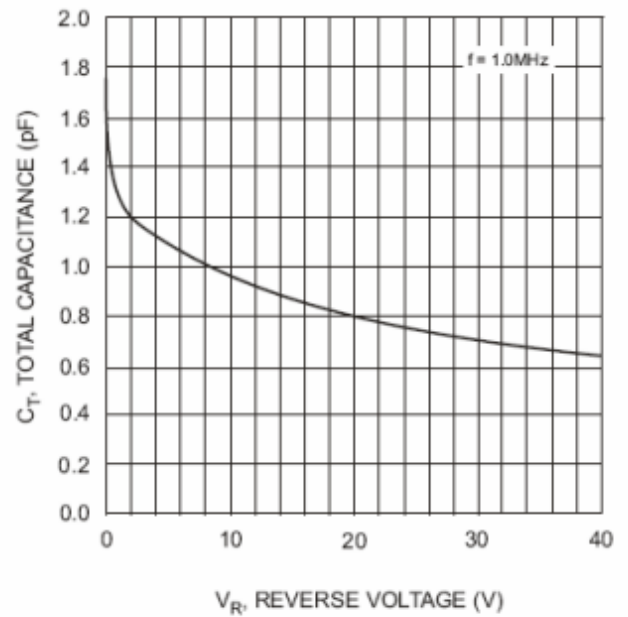


Fig. 4 Typical Capacitance vs. Reverse Voltage